FIG. 1

TABLE 1

GOAL	GOAL PARAMETERS
DURING "T", SATISFY "Q" FOR CLIENT "C" USING SERVICE "S"	C: Client ε {client1, client2, ...} S: Service ε {Web, DNS, Fileserver, ERP, ...} Q: QoS Expression Q.metric: QoS Metric ε {TransactionResponseTime, TransactionFailRate, ...} Q.op: Operator ε {=, ≤, ≥, ...} Q.value: Desired QoS Value ε {Float, Integer, Enumeration, ...} T: TimeRange

FIG. 2

TABLE 2

PROCEDURAL POLICY LOGIC
1. if (¬satisfied (getClientQoS(C, Q.metric), Q.op, Q.value))
2. then
3. set priority[C][S] = priority[C][S]++ // Make appropriate priorty addjustment, i.e. increase.
4. enforce the following "if condition then action" rule at each network element E that switches packets sent to/from C:
5. if (packet P has arrived at E) && (timeOfDay is in T) &&
6. ({ (P.destIPport == S.serviceIPport) && (P.srcIPsubnet == C.subnetMask)) ||
7. { (P.srcIPport == S.serviceIPport) && (P.destIPsubnet == C.subnetMask)))
8. then
9. set P.priority = priority[C][S]
10. endif
11. Endif

FIG. 3

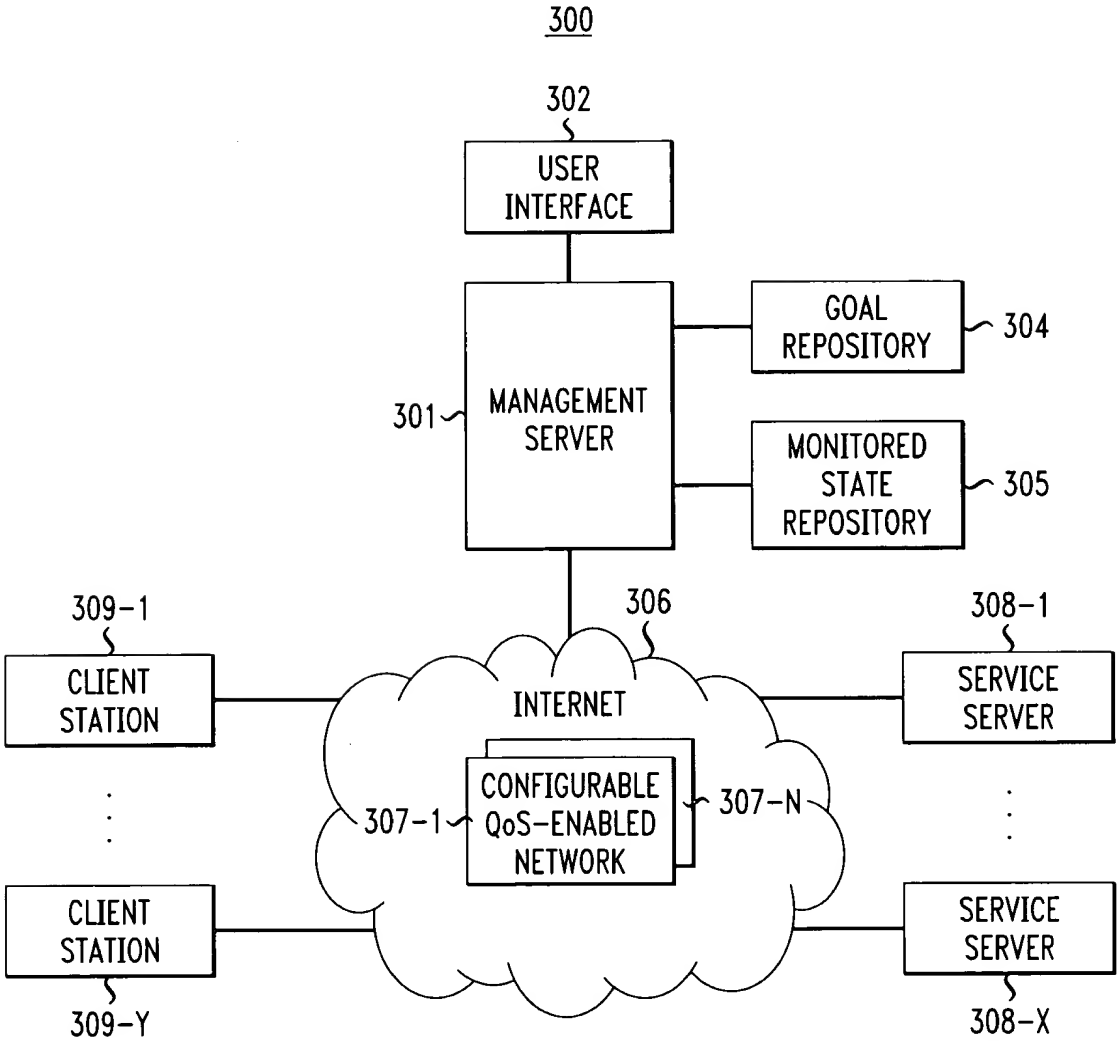

FIG. 4